Mayank Kumar

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Gurugram - 122001, Haryana, India

SUMMARY

AI and ML engineer with a strong foundation in software development and expertise in Python, React, and JavaScript. Skilled in building end-to-end AI systems, integrating machine learning models into web applications, and solving complex real-world problems using advanced data-driven approaches. Passionate about delivering innovative solutions that drive meaningful impact.

SKILLS

- Proficient: Python, JavaScript
- Familiar: C, Java, MySQL
- Frontend: React, CSS, HTML
- Backend: Node.js, Flask, SQLAlchemy
- Artificial Intelligence
- Machine Learning
- Object-Oriented Programming (OOP)
- TensorFlow or PyTorch

PROFESSIONAL EXPERIENCE

Comptech Associates India Private Limited, Pune   **July 2024 – Present**
Junior Frontend Developer Intern

- Contributes to the development of user-facing web applications with a focus on responsive and visual interfaces.
- Proficient in React.js, HTML, and CSS for building dynamic and interactive web solutions.
- Skilled in integrating and working with REST APIs to ensure seamless data flow and functionality.

Publicis Sapient, Gurugram   **July 2023 – August 2023**
Infrastructure Admin

- Collaborates in managing and maintaining IT infrastructure to ensure reliability, security, and seamless operation.
- Skilled in front-end technologies, including HTML, CSS, and JavaScript, for creating dynamic web solutions.
- Proficient in using Power BI for data visualization and insightful reporting.

PROJECTS

CNN Model For Pothole Detection
Team • @github

- Designed and validated a CNN model for accurate pothole detection using image inputs and a robust dataset.
- Ensured reliable performance through validation with a dedicated dataset.
- Integrated real-time detection functionality via main.py for seamless image processing.

Movie Recommendation System
Team • @github

- Utilized Word2Vec to generate vector embeddings that capture contextual relationships.
- Calculated cosine similarity between vectors to identify the best matches.
- Delivered precise and relevant recommendations using a robust similarity-based approach.

EDUCATION

Bachelor of Technology

Majors: Computer Science Engineering

SRM University - Delhi - NCR

Senior Secondary

Major: Science

DAV Public School Sector - 14, Gurugram

CERTIFICATIONS

- Cloud Application Developer by IBMCE
- Machine Learning with R by IBMCE
- Artificial Intelligence Analyst by IBMCE
- Introduction to Big Data, Hadoop and the Ecosystems by IBMCE
- Predictive Modeling with IBM SPSS Modeler by IBMCE
- LLM Engineering by Udemy
- Python Programming by Udemy
- Web Development by Udemy
- Java Programming by Udemy